

CIVIL SOCIETY TO HEAR NEW YORKER TALK AT MEETING

Thaddeus Merriman of New
York Water Board Will
Discuss Project

HAD MUCH EXPERIENCE

Spent Many Years Designing
World's Largest Water
Supply System

Mr. Thaddeus Merriman, Chief Engineer of the Board of Water Supply of New York, has been secured to address the meeting of the M. I. T. Student Chapter of the American Society of Civil Engineers, which will be held in North Hall, Walker, tomorrow evening at 7:45 o'clock. His subject will be "The Catskill Water System of the City of New York."

Mr. Merriman, who graduated from Lehigh University in 1897, has had a very broad experience in engineering, ranging from the making of surveys for the proposed Nicaraguan Canal in 1898 to his present position in the Board of Water Supply, where he has been engaged for several years in the work of designing the largest water supply system in the world.

Designs New York System

In developing the New York water supply system it was necessary to construct several dams in the Catskill Mountains, and to pipe the water through a tunnel which had to cross the Hudson River several hundred feet below its bed. Many difficult problems relating to the geology of the dam and aqueduct foundations constantly arose during the courses of construction, and it was not until these were solved that the project could be completed.

In his talk tomorrow evening Mr. Merriman will show a large number of lantern slides to bring out the interesting phases of this immense engineering undertaking, and to point out the difficulties that students may encounter after they graduate.

Members of the Civil Engineering Northeastern University have been invited to attend this meeting.

PEABODY DECLARES SCHOOL TO BE SAFE

Professor Dean Peabody, Jr., of the Mechanical Engineering Department, who was called in by the Cambridge school board to inspect the Rindge Technical School, has found that the school is safe for use.

Teachers and pupils of this high school had constantly complained that the floors vibrated and that the building was therefore unsafe for occupancy. Last Thursday the school was closed pending an investigation by engineers to see if it was true that it was structurally unsafe.

It was found by Professor Peabody that only the assembly hall on the third floor was in dangerous condition and relying on his report the authorities called back the pupils from their extra vacation.

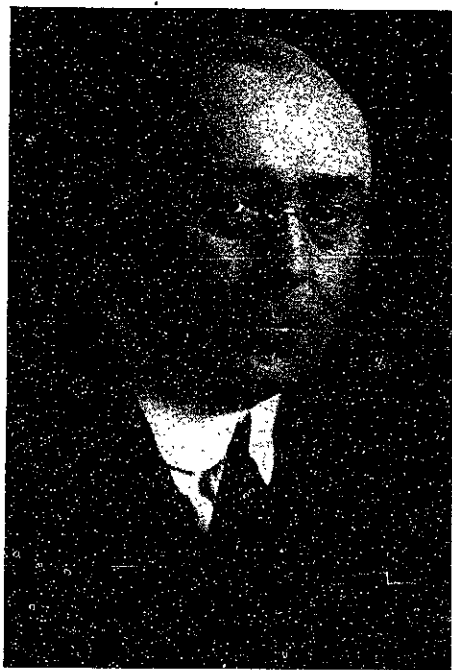
Alumnus Makes Record Flight

Flying under difficulties, a former Technology student, Lyman P. Whitten '21, piloted a huge De Havilland plane from Dayton to Boston last Sunday in five hours and fifty minutes.

Mr. Whitten and Bradley Jones, a navigation engineer, left Dayton field Sunday morning under the handicap of a broken tail stay, with gasoline enough for a seven hour trip. To escape the cross winds and the extreme cold, Lt. Whitten was forced to fly at a high altitude, which speedily reduced the gasoline supply. Upon arrival at Boston the main tank was exhausted. This trip could not have been accomplished had the plane not made such good time.

The purpose of the trip was to test several newly designed navigation instruments, including an aerial compass and earth conductor.

Will Talk To Civil
Society Tomorrow



THADDEUS MERRIMAN

Dr Rowe's Letter Cites Advantages Of Tax Increase

Outline of Athletic Policy And
Comparison With Other
Colleges Given

"To maintain athletics at their present level providing for a student population no larger than the present enrollment, it is imperative that there should be a very definite increase in the assured income." This is the statement of Dr. A. W. Rowe, Secretary-Treasurer of the Advisory Council on Athletics, which is given in his letter to the Committee on revision of the Student Tax.

"Such increase," he continues, "if appreciable in amount, will permit of the following advantages: (a) The maintenance of squads at maximum capacity for longer periods of time. (b) The increase in the size of squads by the provision of more extensive equipment and facilities. (c) The development of new forms of community athletic enterprise. In this connection the further development of rowing, already liberally supported by the Corporation offers great possibilities in a most sane and healthful sport. (d) The enabling of Technology teams to dispense with the charity of outside organizations which in the past has made possible certain of our athletic activities. This help, while freely offered and given, is inconsistent with the general independence of Technology."

Policy Towards Athletics

50 per cent of the current enrollment of students at the Institute participate in one or another branch of sports and the size of the various squads compares very favorably with those at colleges where the enrollment is much larger than it is here. The needs of this large group of men must be taken care of, for as Dr. Rowe says, "The primary purpose of athletics at Technology is to offer the student body at large every opportunity."

(Continued on Page 4)

3 BANDS TO PLAY AT MUSICAL CLUBS CONCERT MARCH 12

Barbary Coast, Techtonians
And Tunesters To Play
At Dartmouth Dance

TO BE HELD AT SOMERSET

"Three Brass Bands" will furnish continuous dancing music at the Technology-Dartmouth Concert which will be held in the Hotel Somerset on Friday, March 12. Dartmouth will send her famous "Barbary Coast Jazz Band" led by K. S. Semple '26. Technology will present the "Techtonians" led by Martin M. Fireman '26, and in addition the "Tunesters" led by D. K. Brant will also play.

These dance orchestras comprising 27 pieces in all will play alternately during the dancing which will last from 10 until 2 o'clock and will unite for a final group of selections as the dance closes. Music for the concert itself which will last from 8:30 until 10 o'clock will be furnished by contributions from both the Technology and Dartmouth Clubs. The Dartmouth Instrumental Club which is the combination of both the mandolin and banjo clubs backed up with several other instruments will present several numbers of a classical style. This Club is composed of 30 men who play 13 different musical instruments.

Technology will furnish selections by the Glee Club, Banjo Club, and Mandolin Club and the Tech-Quartet will sing several of its numbers. A complete program of these events which are now being arranged will be published at a later date. Tickets for the concert are \$6.00 per couple and \$3.00 for stags and they will be on sale every day this week from 12 until 2 o'clock in the Main Lobby.

MANY JUNIORS HAVE PURCHASED TICKETS

Nearly Half of Quota of 400
Is Sold on First Day

First day sales of Prom signups were much larger this year than last. Nearly half of the total number have been sold already. A hurried check at the end of the day showed that 150 were definitely known to be sold while another 50 are pending.

The committee decided to sell 50 stag tickets when the signups are deemed, which will be during the first week of April. Seating arrangements will be made at that time from the lists on hand. Each table will seat five couples, and parties desiring to sit together should drop a letter containing their preference, addressed to Lee McCanne, Walker Memorial Committee Room, in any Institute mail box.

The booth in the main lobby will be open from 9 until 3 o'clock today and tomorrow. Both Juniors and Seniors may purchase signups today, while tomorrow sales will be open to all classes until the 400 signups are sold.

Six of the fraternities will have house parties, beginning about Saturday, running through the weekend and ending up with the Junior Prom. Each house takes from 8 to 15 tickets which will account for at least 50 of the available 400.

Will Speak To
Freshman Class



EDWARD MCKERNON

Impressions of Phantom Dinner In New Review

Alumni Publication On Sale
In Corridors of the
Institute Today

Gasoline treated with tetraethyl lead as a means of increasing automotive power is one of the feature articles to appear in the March issue of The Technology Review which goes on sale in the Institute corridors this morning.

A cut supplementing the article on tetraethyl lead shows the apparatus used for determining the efficiency of ethylized gasoline. The research laboratory of Applied Chemistry has recently been studying the effects of that compound on the combustion of a one cylinder gasoline engine installed for the purpose. Many other scientific achievements connected with the Institute, and other Technology affairs are described in detail.

Radio Photograph Shown

An impression of the radio phantom dinner held on the night of January 19, from an observer in New York is told completely, and is profusely illustrated. Photographs of the speakers that were transmitted to New York by radio by means of apparatus designed by Captain Richard H. Ranger '11 are included.

Another feature of the issue is the biographical sketch of Leonard Metcalf '92, who died on January 29. Mr. Metcalf was former president of the Alumni association, and term member of the Corporation. The biography is a conclusive article written by Charles W. Sherman '90.

Student Department Enlarged

In this issue the undergraduate department shows a marked increase in size over the previous numbers. A lengthy article on the 1926 Tech Show is presented with large cuts showing members of the cast in characteristic poses. The Track team activities and the broken records are summed up. The Tech Show—M. I. T. A. A. merger is given prominent space in this enlarged undergraduate activity department. Several pages of news from the various classes and clubs serve to make up the Alumni department which concludes the issue.

LETTERS AWARDED BY ADVISORY COUNCIL

At the regular meeting of the Advisory Council on Athletics held last night, athletic letters were awarded to the following men: Luis A. Arana '27, Frank S. Badger '27, Grant Y. Flynn '28, Charles Germain '27, Wen C. Hsin '26, Henry W. Jones '26, Francisco C. Martinez '26, Fridthjof Moe, Unc., Carlos Young '26, and Joel M. Whitney '28, manager, all of the Soccer team, were awarded the aTf; Glenn D. Jackson '27, manager of the Cross Country team, was awarded the cTc.

FIRST FRESHMAN LECTURE OF TERM TO BE TOMORROW

Associated Press Executive To
Discuss Newspaper
Work

SPOKE AT TECH BANQUET

His Organization Transmits
More Than 80,000 Words
Over Lines Daily

Edward McKernon of the Associated Press, will address the members of the freshman class tomorrow in 10-250 at 4 o'clock. Although a freshman lecture, it is open to all members of the Institute staff and undergraduates.

The Associated Press, of which Mr. McKernon is superintendent of the Eastern Division, is a co-operative organization, composed of over 1200 member newspapers, with 80,000 words being transmitted over its lines daily.

Mr. McKernon was the author of "Take News and the Public" in Harper's Magazine for October, 1925, his article being classed as among the first ten leading magazine articles of the month. He was the principal speaker at the annual dinner of THE TECH a year ago.

Will Discuss Newspapers

Speaking on the general subject of newspapers, Mr. McKernon will touch particularly upon the importance of an understanding of the press to the technical student and graduate. The relations of newspapers to the public will probably be discussed also.

This is the first freshman lecture of the second term. During the last term lectures by prominent men in all walks of life were arranged for the freshman at intervals of one or two weeks and the same policy will be continued throughout this term.

INVITE ALL CLASSES TO THE SOPH DANCE

Plans have been completed to hold the Sophomore Midwinter Dance at the Fraternities Club on Friday evening, March 19. A departure is being made from former Sophomore dances in that members of all classes are to be admitted, thus permitting the use of a more expensive hall.

Dancing will last from 9 o'clock to 1 o'clock with the music furnished by The Tunesters. Tickets will be sold for \$2.50 a couple and will include refreshments. The dance will be formal in tone but students who do not come in formal dress will not be refused admittance.

DR. WIENER TO SPEAK ON THE PERIODOGRAM

Professor Norbert Wiener of the department of Mathematics will read a paper on "The Periodogram" at a meeting of the Mathematics club in North Hall, Walker, this evening at 8 o'clock.

The Periodogram is a graphical method of analyzing non-periodic functions and is applied to meteorology, acoustics, and many other phenomena for which the changes are not periodic. Dr. Wiener has spent a number of years studying this subject.

Everyone interested is invited to attend this lecture, as it will be the last opportunity afforded the student body to hear Dr. Wiener before he leaves on his trip to Goettingen, Germany. Smokes will be served.

CALENDAR

Wednesday, March 3

4:00—Chemistry Lecture for Boston School Teachers, room 10-250.
5:00—Bible Study Discussion Group, Alumni Room, Walker.
7:00—Alpha Chi Sigma Smoker North Hall Walker.
7:30—Scabbard and Blade Meeting, East Lounge, Walker.
8:00—Mining Society Smoker, West Lounge, Walker.
8:00—Math Club Smoker, Walker Grill Room.

Thursday, March 4

12:30—T. C. A. Noon Hour Devotion Meeting, East Lounge, Walker.
4:00—Freshman lecture by Mr. McKernon of the Associated Press, room 10-250.
5:00—Catholic Lecture by Rev. P. J. Dolan, S. J., President of Boston College.
6:45—Copithorne Reading, Walker Library.
7:30—Tau Beta Pi Social Meeting, Faculty Dining Room, Walker.
7:45—Civil Engineering Society Smoker, North Hall, Walker.

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Continuous
News Service
for 45 years



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WHY THE MOANING?

IF ONE looks for it, he can not help but discern the presence of a disagreeable, depressing attitude on the part of many Technology undergraduates toward every phase of student life. Happily, the attitude is not taken by all. Many, however, study, attend classes, take part in their athletics, and go out for their activities as though the burden of the entire world rested upon their failing shoulders. They labor under a darkening shadow with a mental burden they seem unable to cast aside. They look on the Faculty as a group of blood-thirsty, soul-starving monsters grasping for their bodies emaciated from lack of sleep, and their minds strained from arduous overwork. Pessimistic? Yet we hear complaint of this character on every side. The tendency to bemoan the rigors of an engineering education is too pronounced to pass by. It is not the complaining, however, that we take to task. It is the general feeling that we are cramped for time in everything we desire to do, that we are cramped for time when we would attempt to take part in activities that one naturally associates with a non-technical college.

We have mentioned this matter in previous editorial comment. We tried to show how deleterious a reaction our apologetic attitude creates. But one of the most important influences is the unfavorable advertising Technology receives from such indiscriminate advertising on the outside. It is bad enough among ourselves, for we instinctively undervalue complaint because of our own universal desire to condemn authority. The person on the outside, hearing such expressions is not in a position to carefully weigh them and make allowances. As a consequence our contemporary moanings are accepted at their face value. Unfortunately, the world that does not know anything of Technology is only too anxious to hear and pass on destructive criticisms. We are judged by the false impression created.

It is the duty of every Technology undergraduate to cast off his feeling of oppression and stagnation, not only for the benefit of his own mind but also for the benefit of Technology's reputation. Let's throw away our hammers, wreck our hearses, and mute our dirges.

The daily press exerts a tremendous influence upon world thought. For many persons, the only new ideas they ever receive come to them through the news and editorial columns of the newspaper. Because of the newspaper's universal claim to power over public opinion and mass thinking, an understanding of the relations between this public and the newspaper should be desired by every student at the Institute. Inasmuch as the entire student body has been invited to hear Mr. Edward McKernon deliver the freshman lecture tomorrow afternoon, those interested in the influences that shape thought might discover some interesting points by attending.

FRENCH AND GERMAN

MEN from the preparatory schools come to Technology imbued with the idea that they are going to become engineers and researchers into pure science. "We know what we want to do. We want to build bridges, we want to design radio sets, or we want to learn to manage a factory. So why worry about English, and foreign language, and history? We'll study our trig and our physics and let it go at that." Then they apply for admission and are surprised to find that the Department of Modern Languages is as rigorous in its demands (if not more so) than the departments whose work appears to apply directly to engineering. Many a college transfer finds clear sailing in everything but language, and many a Senior comes to his last term with a condition in entrance language hanging over his head.

To most students, the seemingly disproportionate emphasis upon language is a mystery unless he happens to meet with a German textbook when studying some new and advanced phase of his subject. The report of the Visiting Committee of the Corporation on the language department as published in the current number of the *Technology Review* throws some light on this subject. Not only did the committee look with favor upon the work of the department, but it suggested going farther into the study of language as a prerequisite for the Bachelor's degree in all courses.

That the committee felt strongly on the matter was evidenced by the emphasis it placed on its recommendations. It was purely on professional grounds that it recommended French or German or both for the prospective engineer. Its case would have been presented more emphatically by calling out the humanizing influence of a foreign language. In the future French and German will doubtless be here to worry the student at Technology as they have in the past.

What the Chemical Engineer Does in Modern Industries

(This article is the second of a series outlining the work of each of the departments of instruction at Technology. While the series was planned primarily for the information of freshmen, our readers outside the Institute will find the series informative. Other courses will be discussed in later issues. —Ed.)

The chemical engineer has been defined as a man trained in the fundamental sciences and also in the technique of applying these sciences to the solution of the problems both of chemical industry in the narrower sense and of the chemical phases of all industries.

Many industries, such as the manufacture of leather both natural and artificial, of dyestuffs, explosives, artificial silk, drugs and pharmaceuticals are so obviously chemical that they are universally recognized as such. These industries bulk large as

is evidenced by the fact that they consume about one-half the total fuel used by manufacturing industries in the United States.

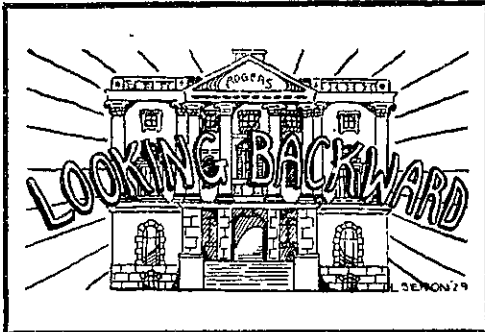
Chemistry Plays Vital Part

However, it is not always appreciated that in the great majority of other industries chemistry plays a part so vital that it is scarcely too much to consider it the keystone of our industrial structure. How many realize that the two greatest developments in the field of electrical illumination in the last quarter century were purely chemical in character? Chemical developments have more than doubled the manufacturing capacity of our rubber factories in the last ten years. A single chemical improvement in automotive engineering promises to halve the gasoline consumption of our motor cars in the next ten years. These applications of chemistry to industry are the function of chemical engineering.

In addition to courses in chemistry, physics and mathematics, Course X includes important instruction in mechanical and electrical engineering because the chemical engineer must be familiar with engineering methods of doing things. In the fourth year there is given special training in the operations of chemical engineering as such, including such topics as combustion, distillation, evaporation, drying and filtration. This instruction does not deal with the specific details of individual industries but rather with the general principles and methods broadly applicable in all engineering work.

Only Practice School in the World

Course X offers one opportunity available nowhere else in the world, namely, its School of Chemical Engineering Practice. The laboratory instruction in chemical engineering is given, not at the Institute but in the stations of this Practice School located at Buffalo, N. Y., Bangor, Maine, and Boston, Mass. The Practice School is available only to seniors and post-graduate students because, in view of the technical character of its work, not until then does the student have the necessary grasp of fundamentals. Furthermore, one enters the Practice School not as an employee of the plant but as a student of the Institute. Finally, the instruction is preceptorial in character, each group of not exceeding twelve students being under the charge of an Institute professor and an instructor, who devote their full time to the group.



40 Years Ago This Week

The innovation of a book exchange in connection with the Co-operative Store this year was attended with little success, according to the report, but with better publicity next year it is hoped to make it an asset.

Offers of "lucrative positions" have caused fourteen freshmen to fail to return at the beginning of this term.

25 Years Ago This Week

With this term a new system of examinations is being introduced in the Physics Department. Heretofore examinations in June have covered all the work since September, but under the new system the final examination will cover only the work from February.

10 Years Ago This Week

The annual outburst against THE TECH as unrepresentative of student opinion is found in the "Communications" column.

The Institute Committee is contemplating the introduction of the honor system.

Although the end of the war is not yet in sight Mr. Dickinson, an Englishman, in an address before Institute students discussed International reconciliation after the war and the possibilities of a League of Nations.

The new Engineer Corps of the R. O. T. C. is holding its first drill this week.

Play Directory

COLONIAL: "Ben Hur."—A magnificent movie spectacle based on General Lew Wallace's immortal story.

COPLEY: "Hay Fever."—Farce comedy by the author of "The Vortex."

HOLLIS: "Embers."—Adapted from the French.

MAJESTIC: "The Big Parade."—Romantic movie of the A. E. F.

NEW PARK: "Rain."—Religious fervor succumbs to passion.

PLYMOUTH: "The Judge's Husband."—The future of woman, and a legal tangle.

REPERTORY: "Caesar and Cleopatra."—One of Shaw's most brilliant comedies.

SHUBERT: "Naughty Riquette."—Mitzi steps a bit.

TREMONT: "Naughty Cinderella."—The incomparable Irene Bordoni.

WILBUR: "Aloma."—To be reviewed in Friday's issue.



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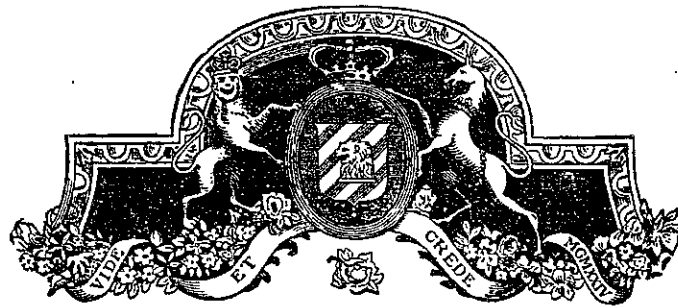
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TERRIERS WIN OVER ENGINEERS ON ICE

Track Team In Need Of High Jumpers

Where are the high jumpers! After the showing made in the high jump event in the interclass track meet last Saturday afternoon, it is apparent that Coaches Os Hedlund and Doc Connors are sadly in need of high jumpers.

Now there is certainly a relatively large proportion of rangy built men who could ably qualify in this event and if any individual wishes to display his Technology Spirit, he should report to the Hangar gym with or without equipment. Coach Connors has acquired the services of Bill Greenough '23 former Varsity high jumper to assist in the coaching of this event.

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Hockey Team Loses Weird Battle to B. U. Icemen in Final Period—Score 2-0

As a result of defeating Technology by a 2-0 score on Monday evening at the Arena, the Boston University Hockey team holds the title of winning the world's most upset game. When the Terriers failed to come on the ice for the third period the game, Referee

Frank Synnott ordered the Cambridge players to take their positions without waiting for their opponents. Randall and Brooks caged the goals and apparently the game was over. Hardly had the spectators left their seats however before Coach Stewart refused to accept the forfeited victory and sent Manager Carroll to the Boston dressing room to have that team play. The in-town boys had in the meantime dressed themselves and were preparing to leave. They finally consented to play again though and at about 11:30 p. m. before not more than a dozen spectators, the final period was played.

During the first two sessions the playing by both teams was comparatively slow. The fight and spirit that had marked their previous encounters were missing. More than half of the shots taken at the cage were from midice. Little offensive work and a strong defensive game characterized the opening period and most of the second. The last few minutes of this session saw both teams gradually getting steamed up.

Randall and Berkeley Star

At the start of the game B. U. forced the playing. Jack Lawless provided the first threat when he snapped the puck from the Engineer forward line to take a wild shot from the quarter ice boards. Gregoire shot one straight at the cage, and when Bill Richards turned it aside Randall carried the puck into Terrier territory where Ling managed to get it away from him. He in turn went up the ice but his drive was wild and his team mate Gregoire made a play from the boards that Crandall deflected. Randall again got possession of the disk and this time went through the entire Boston team to scrimmage with the goalie. Here only some wonderful work by Silverberg who was guarding the cage prevented a score. Bill Berkeley then made two successive hard shots from quarter ice which were knocked down.

For the remainder of the period Bill Richards was the Technology star, as time after time, he made sensational stops at the net. The second period was played at midice for almost ten minutes with both teams scrimmaging and neither gaining any apparent advantage. Suddenly Scott, playing center for the University took the puck by himself and with both sextets following him, drew Bill Richards out of his net just long enough to slip the rubber through for the first score.

In a vain effort to tie the score the Institute team abandoned its defensive game and stormed their opponents goal. Crandall, Berkeley, Randall and Brooks, each had two drives at Silverberg who was able to weather the storm only because the shots aimed in his direction were ankle low. As the period ended, the play was becoming faster and faster.

Then occurred the great misunderstanding which originated with George V. Brown, the owner of the Arena, who had the misguided idea that because he happened to own the only ice palace of Boston, he could end a hockey game at any time he so chose. Referee Synnott had nothing else to do but award the game to the Engineers since the Terriers had left the ice without his permission.

Coach Stewart, acting in a sportsmanlike manner refused the forfeited game so eventually the third period began. Whatever was lacking in spirit in the first session was more than made up for the last fifteen minutes. Both teams were dissatisfied with the general trend of matters and they showed it in their play. Sticks were swung like golf clubs, and the body checking was to say the least, very questionable.

M. I. T. Brooks, Berkeley, rw
B. U. rw, Gregorie, Kontoff
Randall, Meade, c c, Scott
Freeman, lw lw, Lawless
Berkeley, Brooks, rd rd, Viano
Crandall, id id, Ling
Richards, g g, Silverberg
Final Score—Boston University 2, Technology 0.
Goals scored by Scott, Boston University; Lawless, Boston University.

FROSH MERMEN MEET HUNTINGTON AT "Y."

In the Huntington Avenue Y. M. C. A. plunge, Thursday afternoon at four o'clock the Cardinal and Gray frosh splash artists will meet the strong water contingent from Huntington School.

Although the school boys have been going great guns in all their previous meets so far this season and are rated very highly, the yearlings will take to the water with a fighting spirit.

it gained by their recent victory over the Cambridge Latin natators.

Luey in the backstroke and 50 yard free style and Lamb in the 200 yard event are expected to bring home the lions share of the points. Turner in the plunge has been navigating 56 feet the past week.

Interfraternity Basketball Results

Lambda Chi Alpha 27
Phi Kappa Sigma 9

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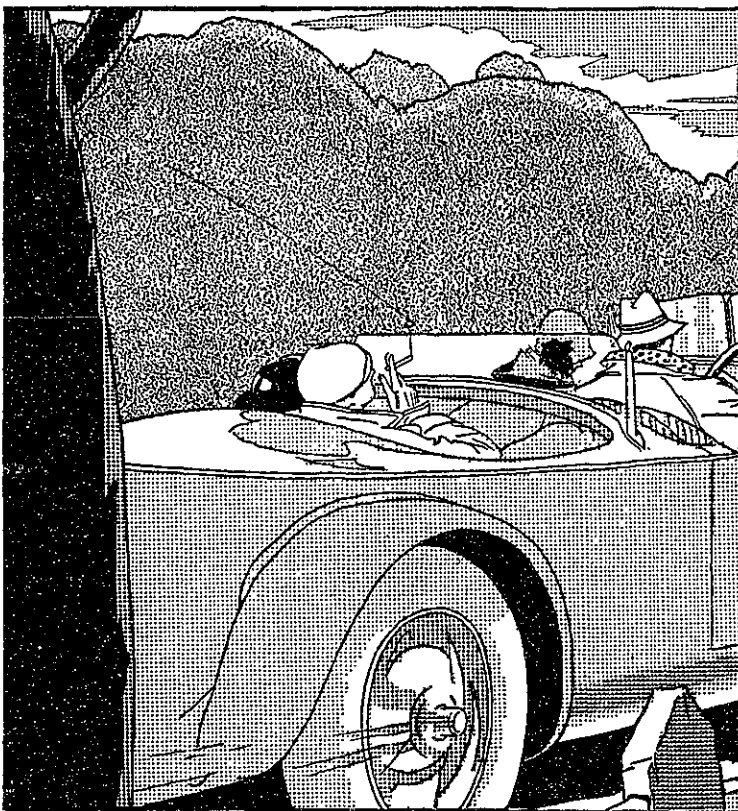
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WHEN moonlight washes woodland and hills with platinum light. And the tour home is ready to begin—have a Camel!

For Camel makes every smooth tour smoother, adds of its own contentment to every delightful journey. Camels never tire your taste or leave a cigarette after-taste. Pay what you will, you'll never get choicer tobaccos than those in Camels.

So this night as the forest-topped hills race by in moonlit procession. As the magic road curves through the colonnades of birches—have then the finest made, regardless of price.

Have a Camel!

Camels contain the very choicest tobaccos grown in all the world. Camels are blended by the world's most expert blenders. Nothing is too good for Camels. In the making of this one brand we concentrate the tobacco knowledge and skill of the largest organization of tobacco experts in the world. No other cigarette made is like Camels. They are the overwhelming choice of experienced smokers.



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A Finished Product

and

A Power in the Community

Dr. Rowe Shows Need For More Athletic Funds

(Continued from Page 1)

tunity for wholesome carefully controlled exercise as a physical complement to their arduous mental labors. The competitive aspect is purely secondary and competition is prosecuted solely for the stimulating influence it exerts. The value of a sport is gauged by the number of men to whom it offers opportunity."

Technology is operating her teams and providing for her large active student population with an income from the Student Tax of less than \$15,000 per annum. Gate receipts, guarantees from other institutions, and in some instances salaries met by the Corporation raise the total gross expenditures to less than \$35,000. The larger institutions of the East show a gross expenditure of between six and eight hundred thousand dollars, while the smaller New England Colleges show a per capita expenditure of several hundred per cent greater than our own. These figures were furnished by Dr. Rowe.

Present Tax Is Inadequate

"Another factor of complication in the Technology situation rests in the fact that the most tangible income, exclusive of the Corporation donations which are for specific purposes, is the sum derived from the Student Tax and this is subject to a considerable variation dependent as it is on the size of the student body. This year, for example, the estimated income is curtailed by some \$2,000 as a result of the smaller registration." Expenses for the year, however, have not decreased and the consequent deficit will be made up if possible this year by the co-operation of Tech Show. A permanent solution of the situation is very necessary and this resolves itself into an increase in the athletic apportionment from the Student Tax.

NEW STEAM ENGINE TO BE INSTALLED

Yesterday concrete was poured into the molds in building 3 for the foundation of the new Uniflow Steam Engine. This engine, which is the first of its kind to be installed in the Steam Laboratory, was obtained from the Fitchburg Steam Engine Company. Delivery will be made within two weeks, stated Professor Jesse J. Eames '02 who is in charge of the work.

Thermodynamic study and comparison with the counterflow types of engines will be made, for this new machine has the advantage of a one direction steam flow. An Edwards air pump was obtained to operate the condenser of the engine.

NOTICES

UNDERGRADUATE

T. C. A.

All men with application cards on file in the T. C. A. Employment Bureau will find it to their advantage to fill in the second term schedules thereupon.

MATH CLUB

Prof. Norbert Wiener will speak on "The Periodogram" 8 p. m. Wednesday evening, March 3, in the North Hall, Walker. Free Smokes. Everybody invited.

CATHOLIC CLUB

There will be a lecture by Rev. P. J. Dolan, S. J., president of Boston College, on the subject: "The Catholic Viewpoint of Evolution," next Thursday at five o'clock in room 4-231. All interested are invited, irrespective of religious affiliations.

TECH SHOW

Rehearsal of the Cast, Chorus, and Ponies in North Hall, Walker Memorial Saturday, March 6, at 1:30 o'clock. Attendance required.

B. B. TOURNAMENT COMMITTEE

The following men are requested to meet in Mr. McCarthy's office Thursday, March 4, at 5: Ackerman, Bernhardt, Bigelow, Field, Forrester, Frisbie, Hinck, Janes, Leness, Lord, Morgan, O'Neil, Walch, Wilson, Yates.

SENIOR ENDOWMENT

It is urgent that all members of the committee be present at the meeting Wednesday, March 3, at 5 o'clock in room 10-267, when the insurance company will be selected.

SECOND COPITHORNE READING TOMORROW

Mr. Matthew R. Copithorne will give the second of his readings during the present term in Walker library tomorrow evening at 6:45 o'clock.

He will read from the two volumes in which, he believes, Booth Tarkington has done for the suburban American boy of today what Mark Twain did for the American country boy of yesterday.

FACULTY BOWLING TOURNAMENT OPENS

Forty-eight members of the Faculty of the Institute have organized eight teams for a Bowling Tournament which is being held in Walker Memorial. The first match was played yesterday, the Electricals defeating the Mechanicals and the Chemists and Chemical Engineers defeating the Analytical department.

The four other teams to play are the Physics, Biology Bowlegs, Specials and Unclassified teams. Professor Leicester F. Hamilton '14 is in charge of the tournament and Eddie Pung is referee.

DEBATING SOCIETY ANNOUNCES A TRIP

At a meeting of the Debating Society Saturday afternoon it was announced that tentative plans have been made for a debate with Middlebury on March 19, and one with Vermont on March 20. Both of these debates will be away from home.

As the Society is a recognized activity, it was decided that it should have an office of its own in Walker, and steps will be taken very shortly to bring this about. At present the affairs are carried on in the office of the coach, Mr. Dean M. Fuller, and regular meetings of the Society are held every Tuesday and Thursday at one o'clock in room 2-190.

This is the first year on record that the University of Illinois has come through without a single conference championship in a major sport. Last year at this time Illinois had five titles.

Compulsory military training was voted down 10 to 7 by the men at Ohio State University. Military training in some form was approved of, the objection being to compulsory.

PASTOR TO TALK ON IRISH PHILOSOPHY

"An Irishman's Philosophy of Life" will be the subject of the weekly T. C. A. talk tomorrow noon, which is to be delivered by Dr. J. Edgar Park, pastor of the West Newton Congregational Church.

As usual, this meeting will be held in the East Lounge of Walker at half past twelve. The presiding officer will be Egon E. Kattwinkle, G, formerly General Manager of THE TECH, Volume XLII.

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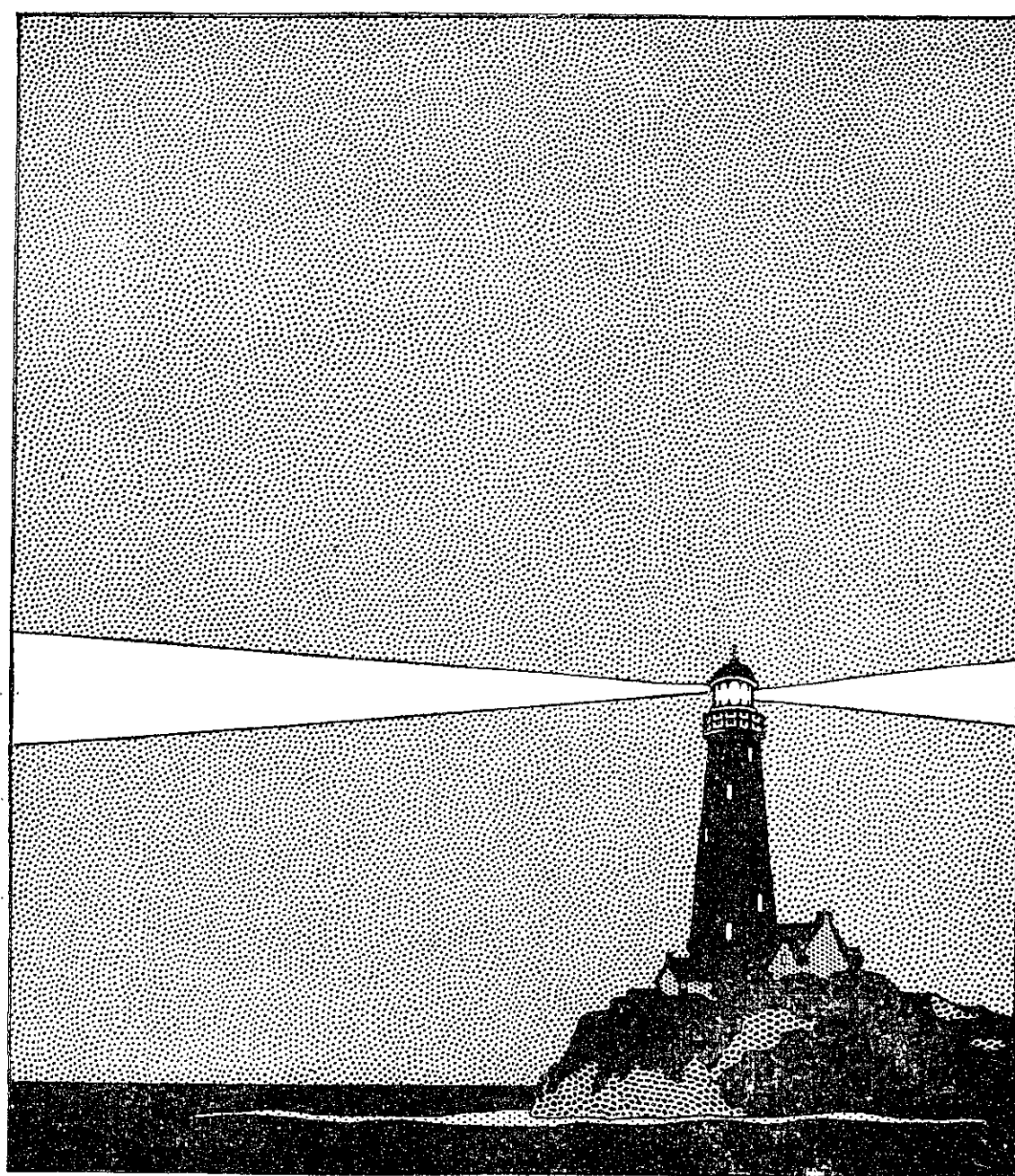
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